

DEREE COLLEGE SYLLABUS FOR: FN 4045 FINTECH

(Same as EC 4045 FINTECH)

(Fall 2021)

UK LEVEL: 6
UK CREDITS: 15
US CREDITS: 3/0/3**PREREQUISITES:**

None

CATALOG DESCRIPTION:

Fintech and transformation of financial services. Financial innovation, cryptocurrencies and Blockchain. Fintech regulation and implications for the financial sector and the economy.

RATIONALE:

This course familiarizes students with Fintech by discussing technologies that have a lasting impact on the financial industry and by examining the factors that drive innovation in financial markets. The course analyses how Fintech is transforming financial services across industries. By assessing the current financial landscape and understanding its mechanisms, students will learn how to engage with the future and challenges associated with innovation in financial services.

LEARNING OUTCOMES:

As a result of taking this course, students should be able to:

1. Describe the main Fintech areas, namely money, payments and alternative finance
2. Demonstrate understanding of cryptocurrencies and Blockchain
3. Demonstrate understanding of data security issues and the need for Fintech regulation
4. Critically assess the business and regulatory implications of Fintech for the financial industry and the impact of new technology on economies, markets, companies, and individuals.

METHOD OF TEACHING AND LEARNING:

In congruence with the teaching and learning strategy of the college, the following tools are used:

- Class lectures.
- In-class discussion of real examples and cases that aim to enhance students' critical and analytical skills.
- Use of concept maps to provide an overview of topics discussed at the end of each session.
- Guest lectures from invited scholars and professionals.
- Office hours: students are encouraged to make full use of the office hours of their instructor.
- Use of Simulated Trading Room for illustrating examples.
- Use of Blackboard learning platform.

ASSESSMENT:**Summative:**

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| 1st assessment: Problem sets and case questions | 50 % |
| 2nd assessment: In class written examination (Two-hour, closed book, comprehensive, problems/essays combination) | 50 % |

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| | <p>Formative:</p> <table border="1" data-bbox="483 275 1279 310"> <tr> <td data-bbox="483 275 1089 310">Formative tests</td> <td data-bbox="1089 275 1279 310">0%</td> </tr> </table> <p>The formative tests prepare students for the examination and ensure that students are actively engaged during the term.</p> <p>The 1st assessment tests Learning Outcomes 1 and 2. The 2nd assessment tests Learning Outcomes 1, 2, 3, 4, with emphasis on 3 and 4.</p> <p>The final grade for this module will be determined by averaging all summative assessment grades, based on the predetermined weights for each assessment. If students pass the comprehensive assessment that tests all Learning Outcomes for this module and the average grade for the module is 40 or higher, students are not required to resit any failed assessments.</p> | Formative tests | 0% |
| Formative tests | 0% | | |
| <p>INDICATIVE READING:</p> | <p>REQUIRED READING:</p> <p>Blokdyk, G. (2019), Fintech Solutions A Complete Guide, latest edition, 5STARCOOKS.</p> <p>Internet sources of academic and corporate nature, as well as journal articles accessible through the Library as assigned by the instructor.</p> <p>RECOMMENDED READING:</p> <p>Reznor, E.P. (2017), Fintech: Hacking, Blockchain, Big Data, Cryptocurrency (Financial Technology, Smart Contracts, Digital Banking, Internet Technology), CreateSpace Independent Publishing Platform</p> | | |
| <p>INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)</p> | <p>REQUIRED MATERIAL: N/A</p> <p>RECOMMENDED MATERIAL: N/A</p> | | |
| <p>COMMUNICATION REQUIREMENTS:</p> | <p>Use of appropriate academic conventions as applicable in oral and written communications.</p> | | |
| <p>SOFTWARE REQUIREMENTS:</p> | <p>Excel</p> | | |
| <p>WWW RESOURCES:</p> | <p>https://www.investopedia.com/terms/f/fintech.asp https://www.fintechweekly.com (for understanding the industry behind the fintech evolution)</p> | | |

**INDICATIVE
CONTENT:**

1: FinTech and the transformation of financial services

- The Global Fintech Environment
- Investments in FinTech
- The Business of Payments
- Cloud Computing
- KYC (Know Your Customer)
- SEPA (Single Euro Payments Area)
- PSD2 (Payment Service Directive 2)
- Data protection (eIDAS)

2: Payments, Cryptocurrencies and Blockchain

- Individual Payments
- RTGS Systems
- Alternative Finance
- The future of money: What are the Cryptocurrencies
- The future of markets: What is Blockchain?

3: Digital Finance and Alternative Finance (raising money with Fintech)

- A Brief History of Financial Innovation
- Digitization of Financial Services
- FinTech and Funds
- Crowdfunding
- Initial Coin Offering (ICO)

4: FinTech Regulation and RegTech

- FinTech Regulations
- Evolution of RegTech
- Smart Regulation
- Redesigning Better Financial Infrastructure

5: Data & FinTech

- Data in Financial Services
- New Regulations: GDPR / Mifid2
- Digital Identity
- KYD (Know Your Data)
- Data, Metadata and Privacy

6: Special topics

- Personal finance and FinTech
- Proptech and real estate innovation
- Limitations in financial innovation